HS-150S Premium Accelerometer

AC acceleration output via 3 Core Silicon Cable with Protective Over-Sheath

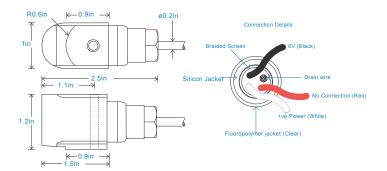
Key Features

- Waterproof
- Side entry for easy access
- Premium design

Industries

Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical





Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 72°F 90cpm (1.5Hz) to 600kcpm (10kHz) \pm 5% Frequency Response 30cpm (0.5Hz) to 720kcpm (12kHz) ± 10% 12cpm (0.2Hz) to 900kcpm (15kHz) ± 3dB Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear 5.9ft. lbs Mounting Torque see: 'How To Order' table x 1.4in long Mounting Bolt provided 7.2 oz. (nominal) body only 3.280 ft. Maximum Cable Length Standard Cable Length Silicon - length to be specified with order Screened Cable Mounting Threads See 'How To Order' table Submersible Depth 328 ft. max (10 bar)

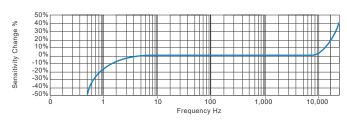
Electrical

Excitation Voltage: 18-30Volts DC **Electrical Noise** 0.1mg max Current Range 0.5mA to 8mA Bias Voltage 10 - 12 Volts DC Settling Time 2 seconds Output Impedance 200 Ohms max. >108 Ohms at 500 Volts Case Isolation

Environmental

-58 to 300°F **Operating Temperature Range** Sealing IP68 Maximum Shock 5000g EMC EN61326-1:2013

Typical Frequency Response (at 100mV/g)



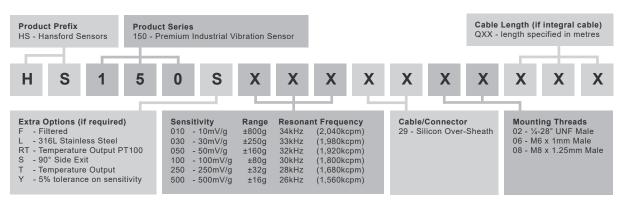
Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)



How To Order





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